

February 9, 2012

MEMORANDUM TO: Michael D. Waters, Acting Deputy Director
Division of Spent Fuel Storage and Transportation, NMSS

FROM: Kimberly Hardin, Senior Project Manager /RA/
Licensing Branch
Division of Spent Fuel Storage and Transportation, NMSS

SUBJECT: SUMMARY OF JANUARY 11, 2012, MEETING WITH TRANSNUCLEAR, INC., TO DISCUSS AN UPCOMING REVISION REQUEST FOR COC NO. 9302 (MODEL NO. NUHOMS®-MP197) (TAC NO. L24615)

Background

A meeting was held with Transnuclear, Inc. (TN) on January 11, 2012, in Rockville, Maryland, to discuss the Model No. NUHOMS®-MP197 transportation package. The purpose of the meeting was to discuss an upcoming revision request to the NUHOMS-MP197 Certificate of Compliance (CoC) No. 9302.

The meeting was noticed on December 29, 2011 (ML113630354). The meeting attendance list is provided as Enclosure No. 1.

Discussion

The discussion generally followed the agenda (Enclosure No. 2). The primary reason for the meeting was to discuss the path forward for the technical review of an upcoming revision request to Certificate of Compliance (CoC) No. 9302 to authorize the use of several different canister configurations with different authorized contents. The contents requested include high burnup fuel with and without burnup credit.

Revision 3 to CoC No. 9302 for the Model No. NUHOMS®-MP197 (MP197) was issued by letter and CoC dated September 29, 2011 (ML11273A020 and ML11273A034). The applicant requested the addition of a modified version of the MP197, designated the MP197HB, and included a request for various NUHOMS® Dry Shielded Canisters (DSCs) containing authorized payloads to be placed in the MP197HB transport package, the approval of high burnup fuel for up to 70 GWd/MTU, and nine DSC designs: 69BTH, 61BTH, 61BT, 37PTH, 32PTH, 32PTH1, 32PT, 24PTH, and 24PT4. However, since technical issues remained unresolved related to the high burnup fuel, the staff limited the contents to low burnup fuel (≤ 45 GWd/MTU) for four DSCs: 69BTH, 61BTH, 61BT, and 24PT4.

The 37PTH, 32PTH, 32PTH1, 32PT, and 24PTH DSCs were not approved for transportation in this Revision 3. By letter dated October 11, 2011, staff issued Revision 4 to CoC No. 9302 for editorial corrections (ML11285A090 and ML11285A198). By letter dated November 2, 2011, staff issued a letter of unresolved issues for those portions of the original request that were not approved (ML11308A578). This letter and its enclosure were the primary focus of this meeting.

The goals of the meeting were first defined by TN in the non-proprietary portion of the meeting (Enclosure 3), followed by a discussion of the unresolved issues.

TN informed staff that the moderator exclusion approach is planned to be used. The condition used in the normal conditions of transport (NCT) analyses considers intact fuel. Staff expressed concerns regarding the knowledge of the condition of the fuel and cladding for high burnup fuel, especially after some period of storage.

TN continued the discussion with staff with the primary focus of the meeting on burnup credit, moderator exclusion, and high burnup fuel. The details are described in the attached proprietary slides (Enclosure 4).

Docket No. 71-9302

TAC No. L24615

Enclosures:

1. Meeting Attendees
2. Agenda
3. Non-Proprietary Presentation Slides
4. Proprietary Presentation Slides

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Distribution: (closes TAC No. L24615)

NRC Attendees BBenney

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**November 17, 2011, Public/Closed Meeting
Between Transnuclear, Inc. and
the Nuclear Regulatory Commission**

MEETING ATTENDANCE LIST

Kim Hardin	NRC/SFST
Michael Waters	NRC/SFST
Meraj Rahimi	NRC/SFST
Andrew Barto	NRC/SFST
David Pstrak	NRC/SFST
Zhian Li	NRC/SFST
Jorge Solis	NRC/SFST
Craig Hrabal	NRC/SFST
Jennifer Davis	NRC/SFST
Robert Einziger	NRC/SFST
Joseph Borowsky	NRC/SFST
David Tang	NRC/SFST
David Tarantino	NRC/SFST
Daniel Forsyth	NRC/SFST
Jayant Bondre	Transnuclear, Inc.
Kamran Tavassoli	Transnuclear, Inc.
Peter Shih	Transnuclear, Inc.
Prakash Narayanan	Transnuclear, Inc.
Steve Streutker	Transnuclear, Inc.
Raheel Haroon	Transnuclear, Inc.
Ken Boone	Transnuclear, Inc.

Agenda for the
NRC/TN NUHOMS-MP197 Pre-application Meeting
Meeting
January 11, 2012, 2:00 p.m. – 4:00 p.m.

Purpose: Discuss planned next steps proposed for the technical review of the TN NUHOMS-MP197 CoC revision review. (Docket No. 71-9302)

2:00 p.m.	Introduction/Opening Remarks	NRC/TN
2:05 p.m.	Discuss in general terms the unresolved technical issues with regard to a planned Revision request for the MP197	NRC/TN
2:15 p.m.	Licensing Considerations/Schedule	NRC/TN
2:15 p.m.	Public Questions/Comments	Public/NRC
2:30 p.m.	Shielding/Criticality Considerations (closed portion)	NRC/TN
2:50 p.m.	Thermal/Containment Considerations (closed portion)	NRC/TN
3:00 p.m.	Materials/Structural Considerations (closed portion)	NRC/TN
3:50 p.m.	Licensing Considerations/Schedule (closed portion)	NRC/TN
3:55 p.m.	Questions and Answers (closed portion)	NRC/TN
4:00 p.m.	Closing Remarks (closed portion)	NRC/TN

Enclosure 2